



BOX AF
Docket 364/56

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : W. HÖRNSCHEMEYER et al.
Serial No. : 09/372,636 ✓
Filed : August 11, 1999
For : LIQUID-COOLED CASTING DIE
Group Art Unit : 1725
Examiner : K. KERNS
Conf. No. : 1684

Box AF
Assistant Commissioner
for Patents
Washington D.C. 20231

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COMMUNICATION WITH THE OFFICE

S I R:

Responsive to the Notice of Non-Compliant Amendment (37 CFR 1.121) mailed May 21, 2002, attached hereto Applicants respectfully submit a marked-up version of the claims showing the changes made.

Because this Communication is filed within 30 days of the Notice, it is deemed that an extension of time is not appropriate. However, Applicants hereby request that the Office charge any appropriate extension of time fee which may be required to maintain the pendency of this case, and any other required fee, except for the Issue Fee, to Deposit Account No. 11-0600.

Respectfully submitted,

Dated: June 4, 2002

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MARKED-UP VERSION OF THE CLAIMS SHOWING CHANGES MADE

1. (Three Times Amended) A liquid-cooled casting die for a continuous billet casting comprising:

a form-giving casting die body, made of a material of high heat conductivity, having at least one broad side wall having at least one surface, a part of which defines a meniscus, the casting die body having a pouring side and a cooling-surface side, which cooling surface side is in contact with a bath

wherein the casting die body has a cooling zone in thermally and mechanically stressed areas of the die body, the mold surface in said cooling zone having a rate of heat flow 5-40% greater than that in the remainder of the surface of the casting die providing increased cooling rate in the critically stressed areas of the casting die.